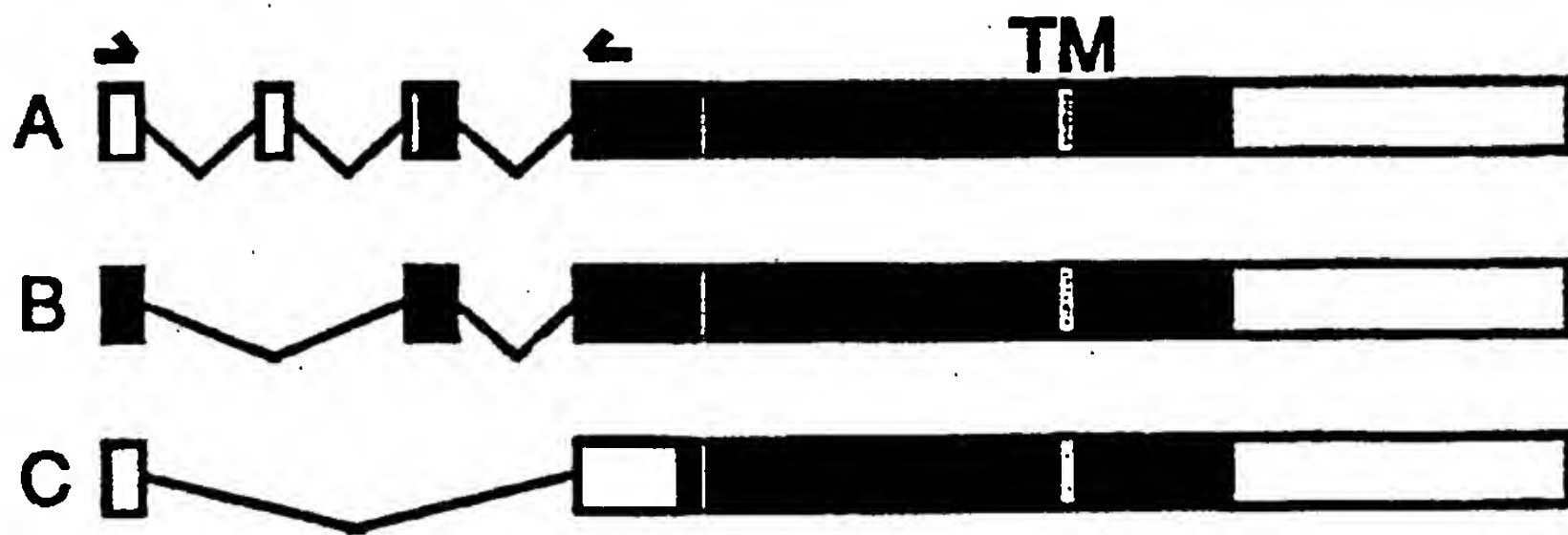
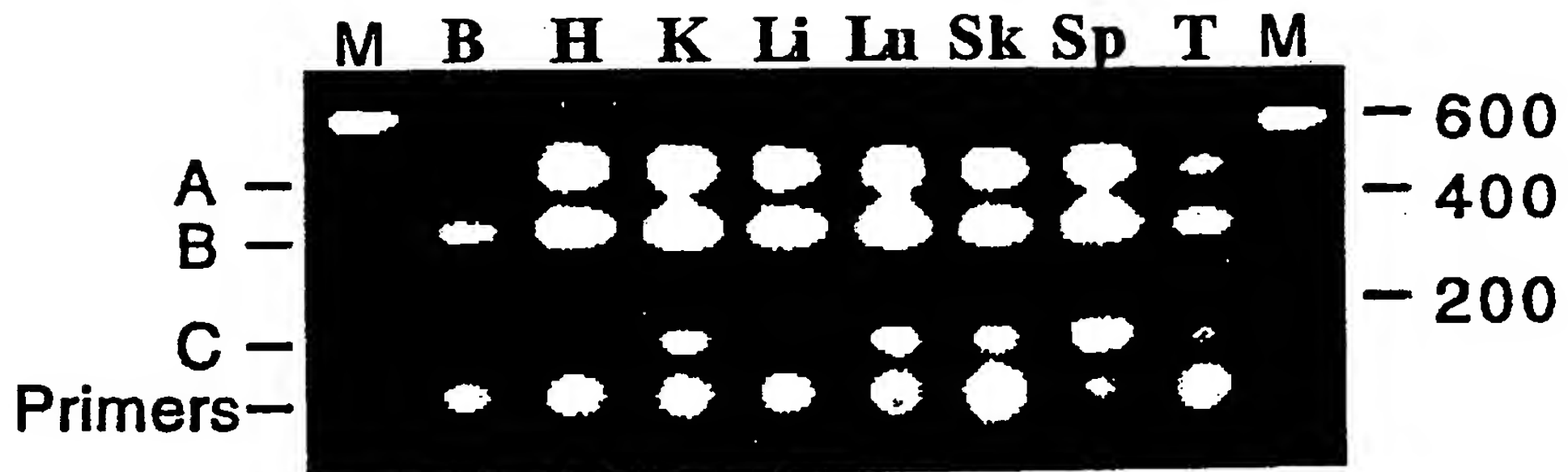
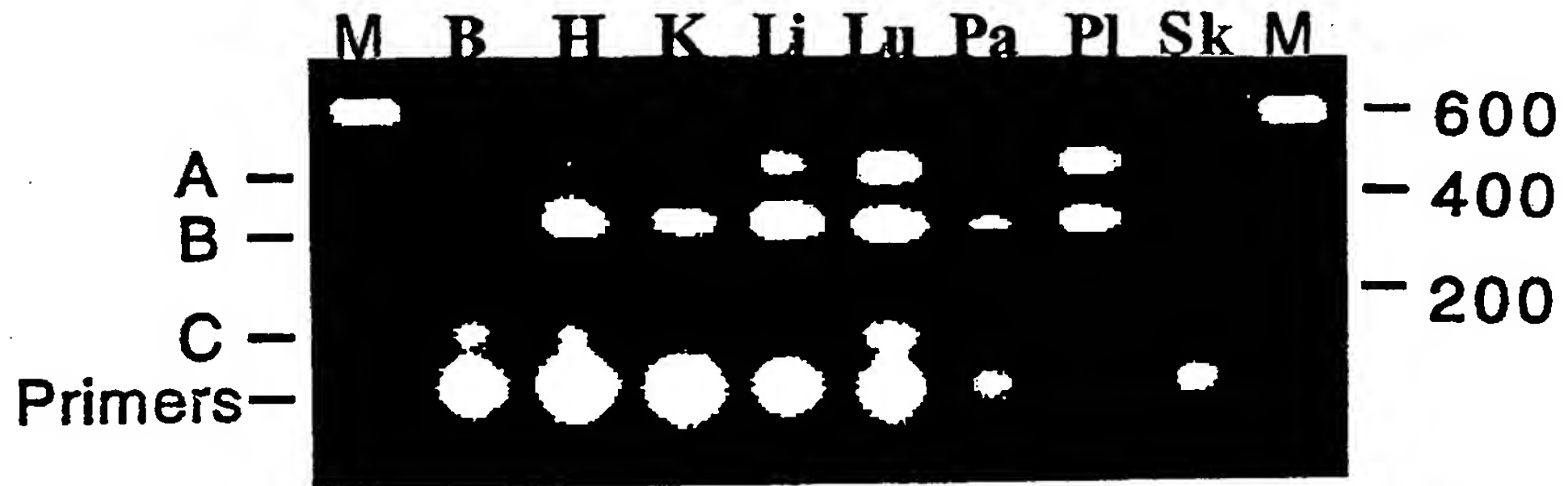


Intron	Position	5' to 3' sequence at EXON/intron boundary
1	135-136	GCGTGGAGgtatgtggctggagtcagct_..._atgttgttttgttttttaaagACTTGGCC
2	255-256	TCACGGAGgttagaatgctgagcacgta_..._gtcatgtgtaatcatcgcagGTGGTTCC
3	422-423	TTATCCAGgtaatgaatccacttttaca_..._atgtcttttttattcctgtagGTGTGAAA

FIG. 1



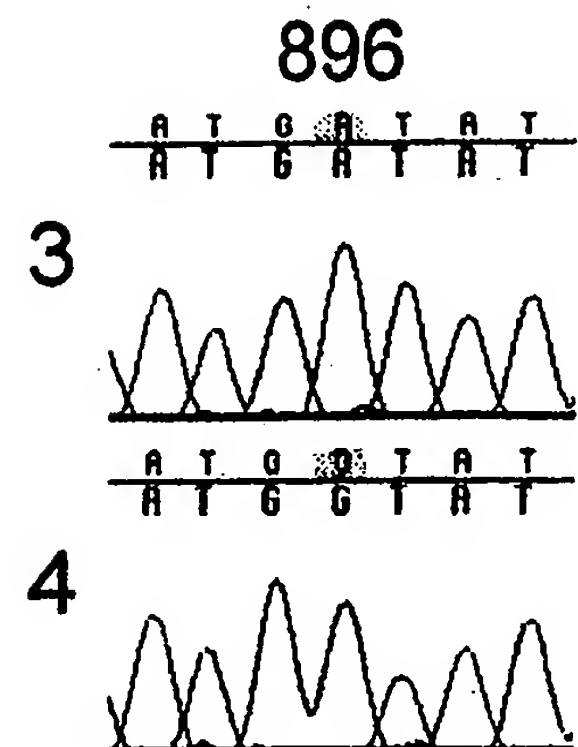
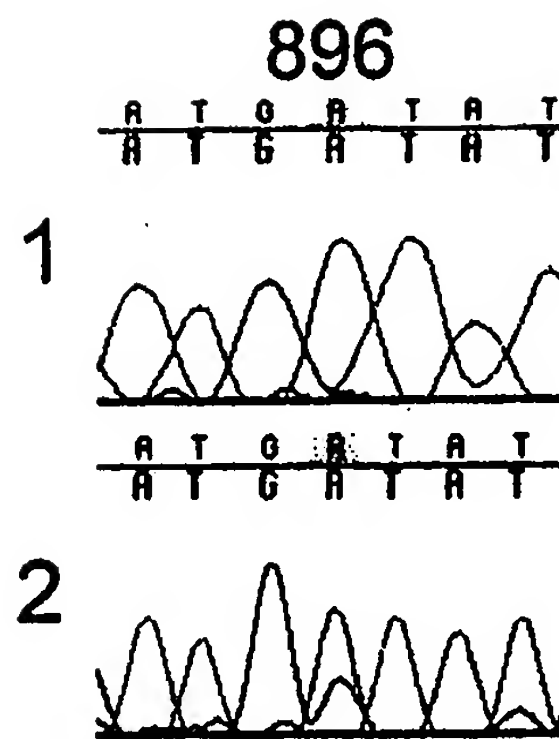
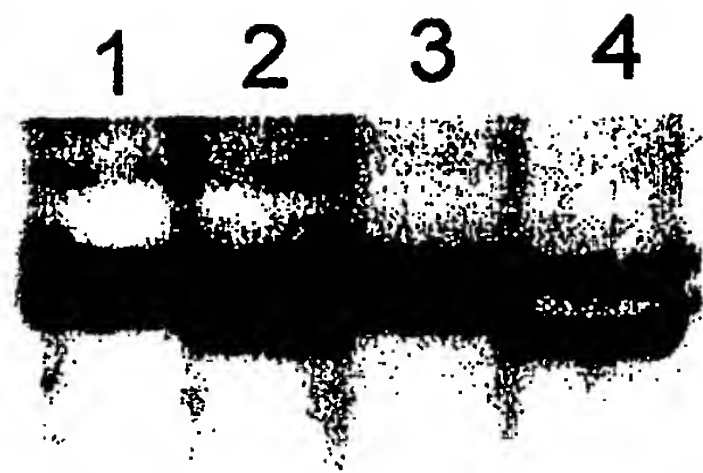


FIG. 3A

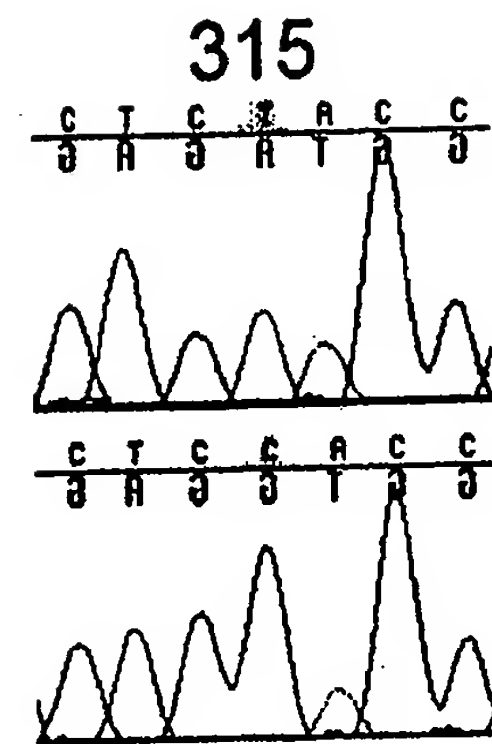
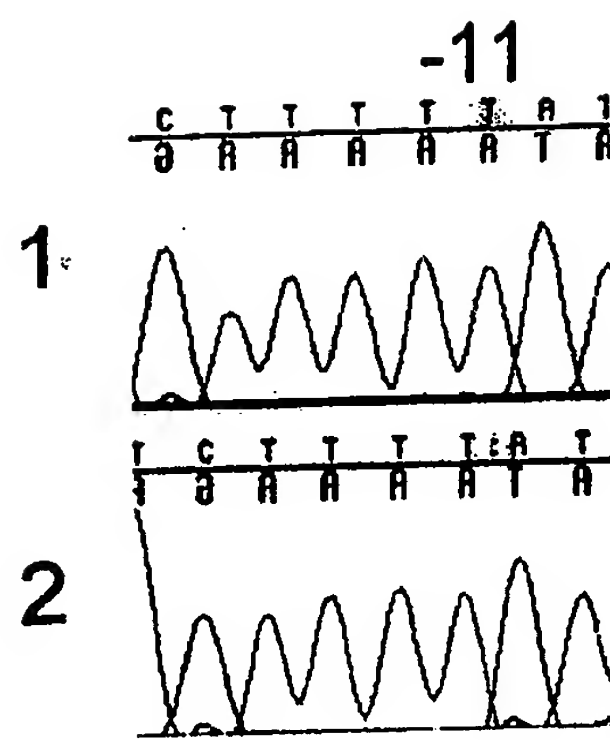


FIG. 3B

↓

Human (aa 290)	.	.	.	L	A	Y	L	D	Y	L	D	D	I	I	D	L	F	N	C	L	T	N	V	.	.	.	
Mouse (aa 289)	.	.	.	L	T	Y	T	N	D	F	S	D	D	I	V	K	-	F	H	C	L	A	N	V	.	.	.
Rat (aa 289)	.	.	.	L	T	Y	I	N	H	F	S	D	D	I	Y	N	-	L	N	C	L	A	N	I	.	.	.
Hamster (aa 289)	.	.	.	F	T	Y	A	N	E	F	S	E	D	I	T	D	-	F	D	C	L	A	N	V	.	.	.

FIG. 4

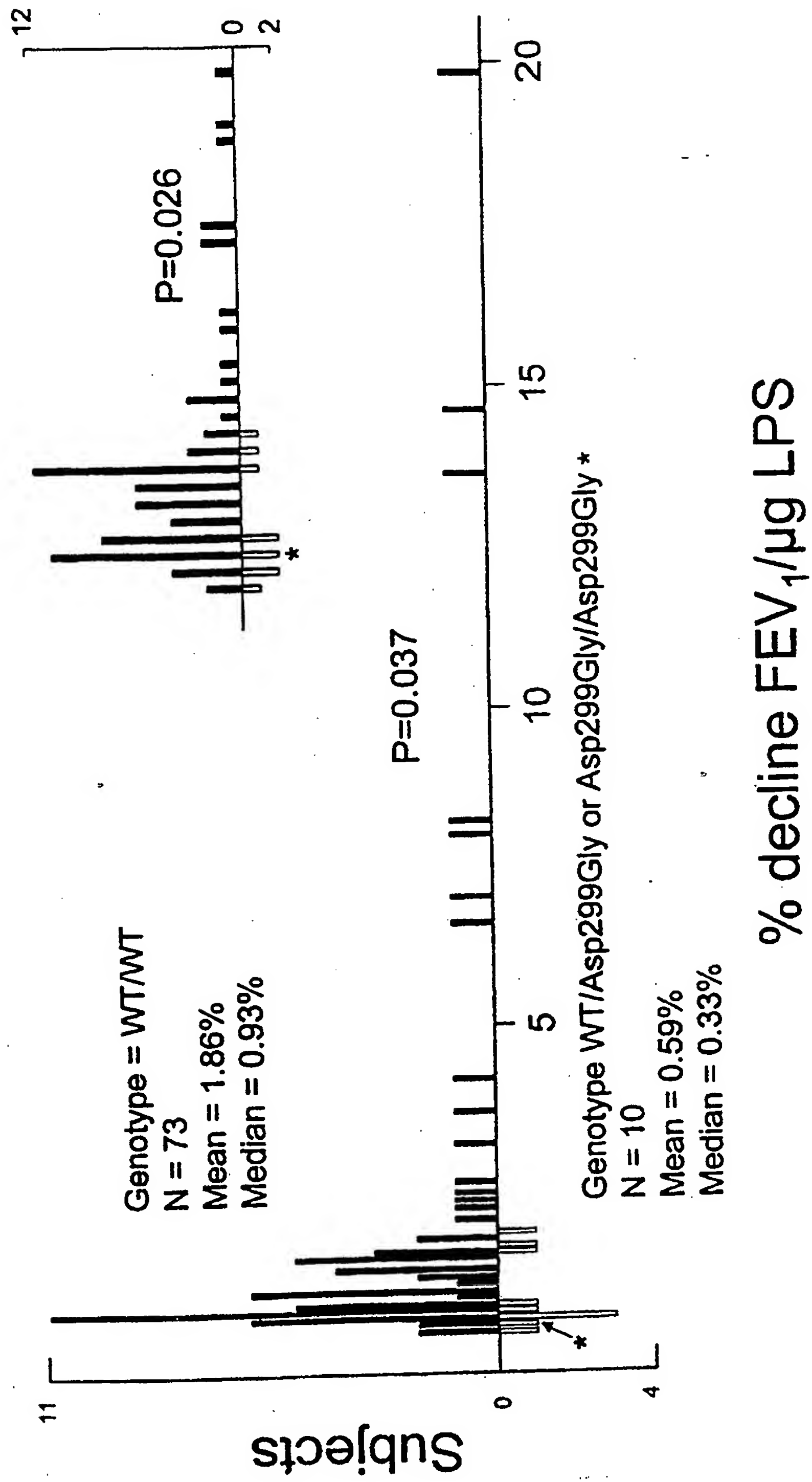


FIG. 5

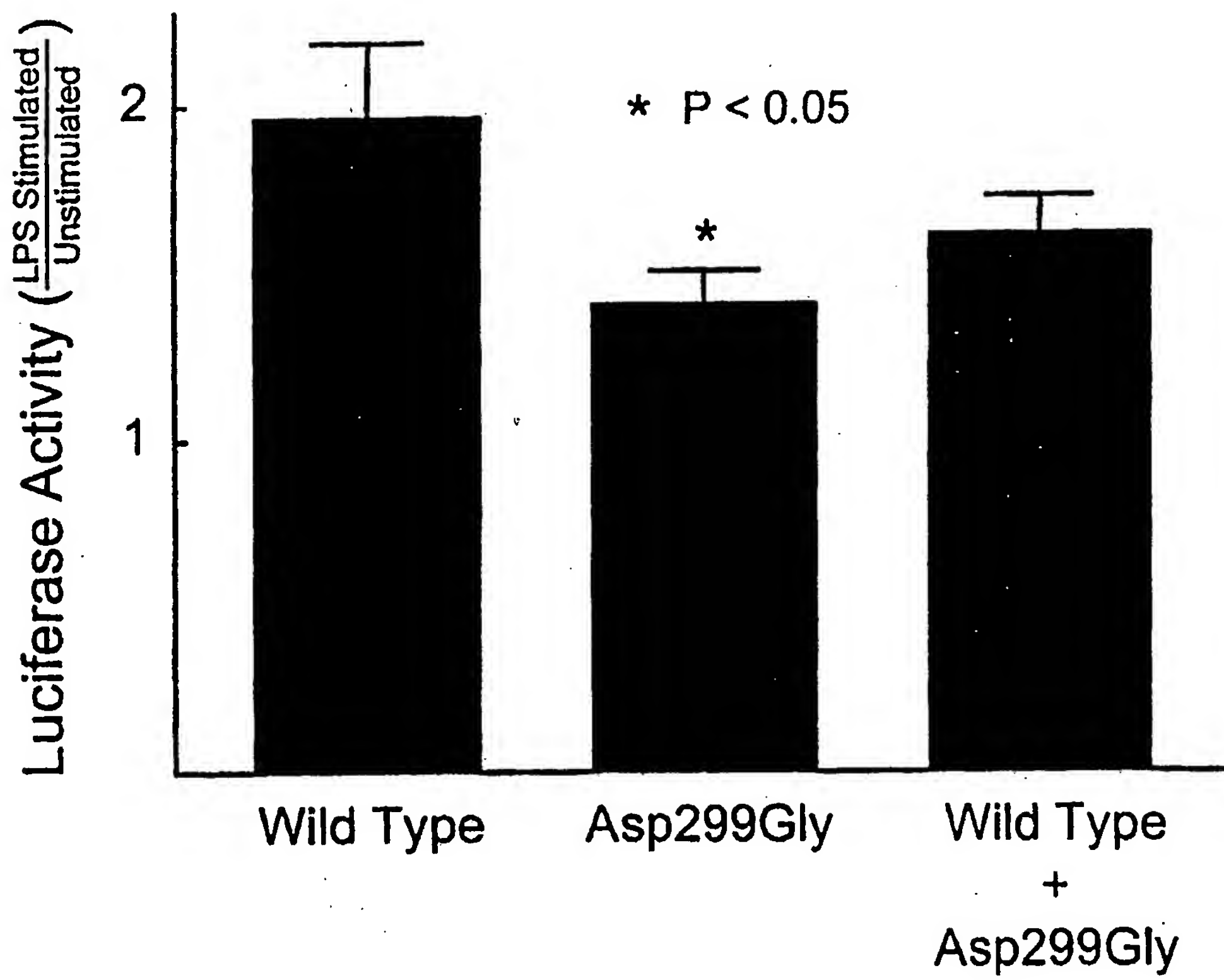


FIG. 6A

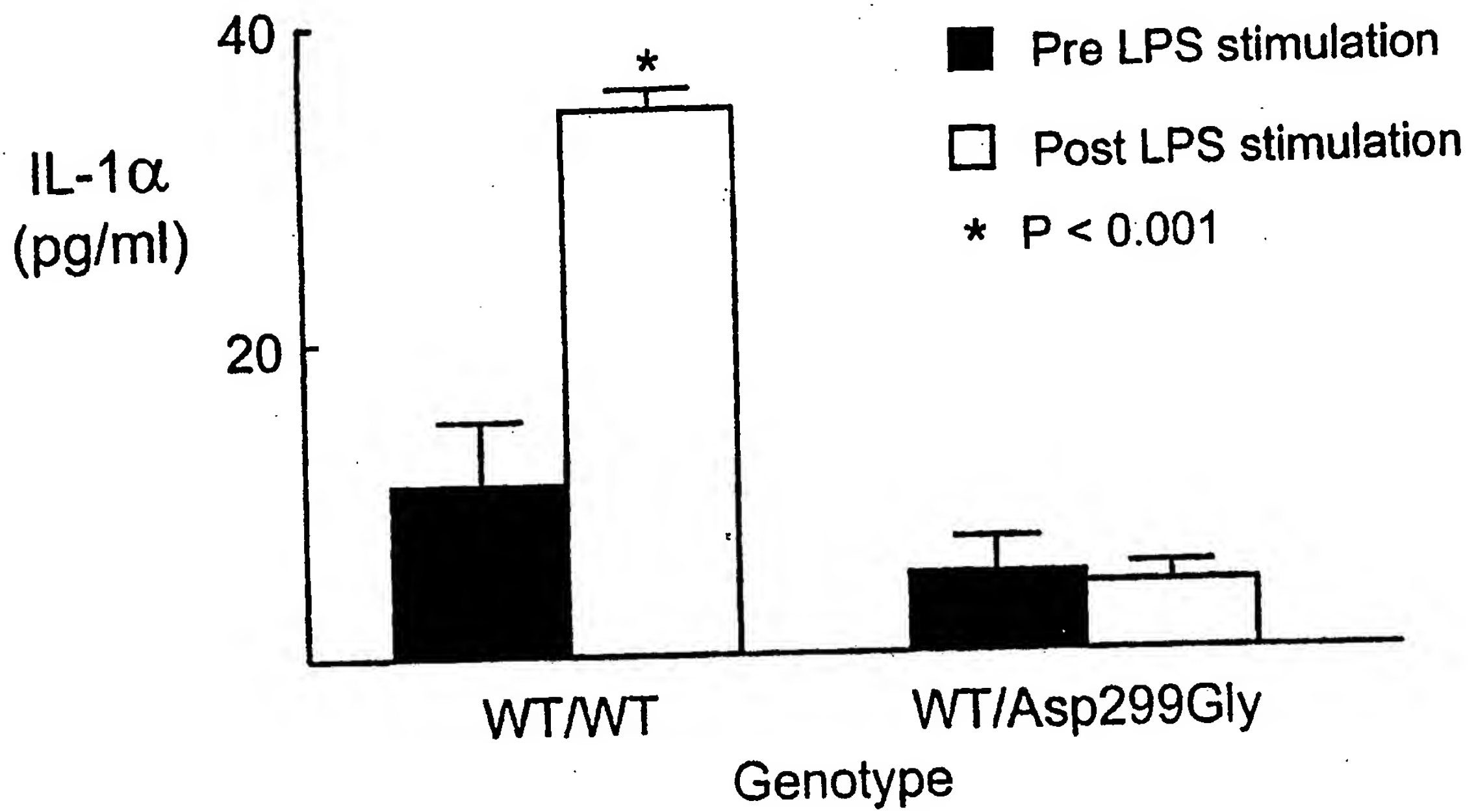


FIG. 6B

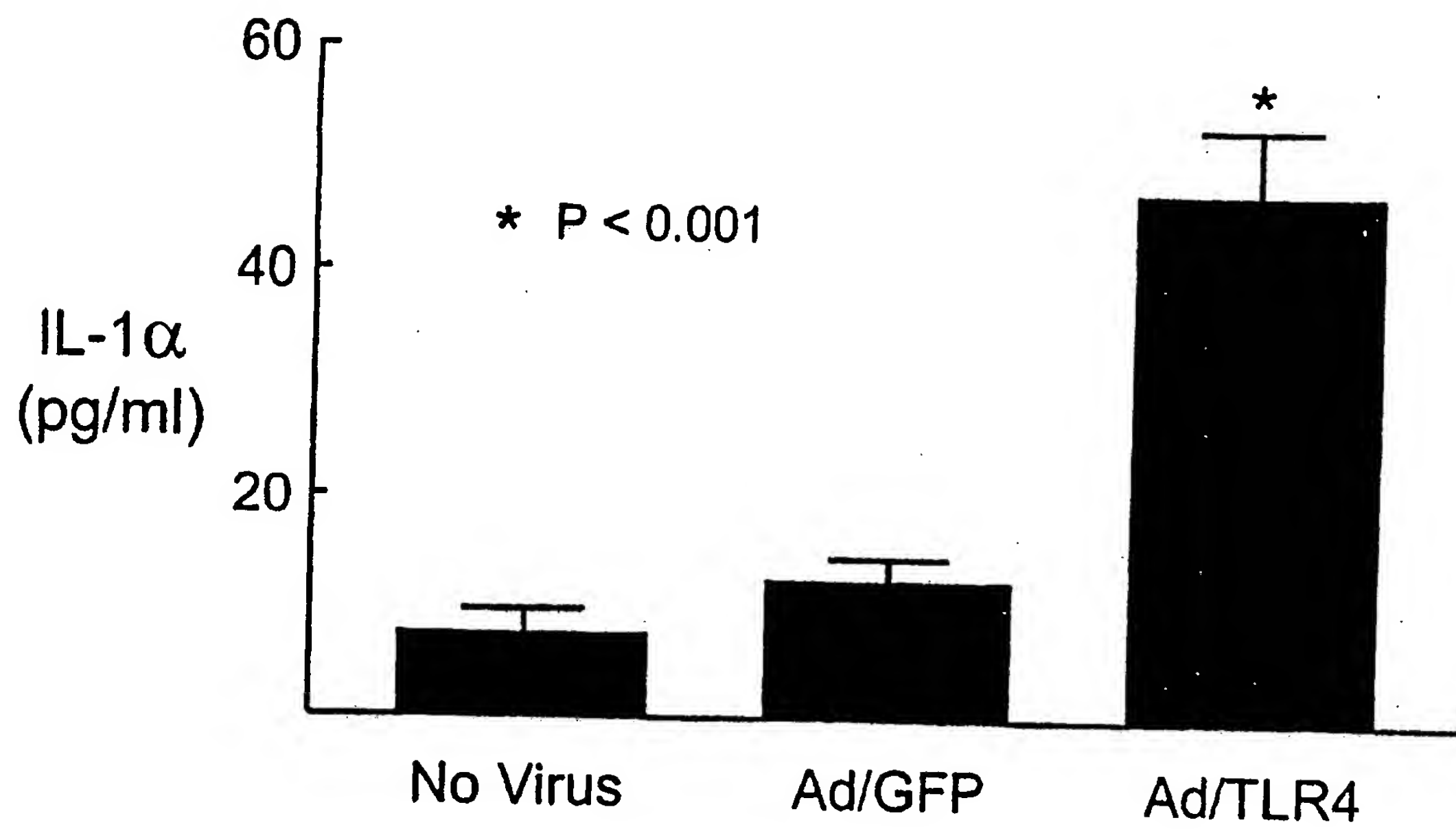


FIG. 6C

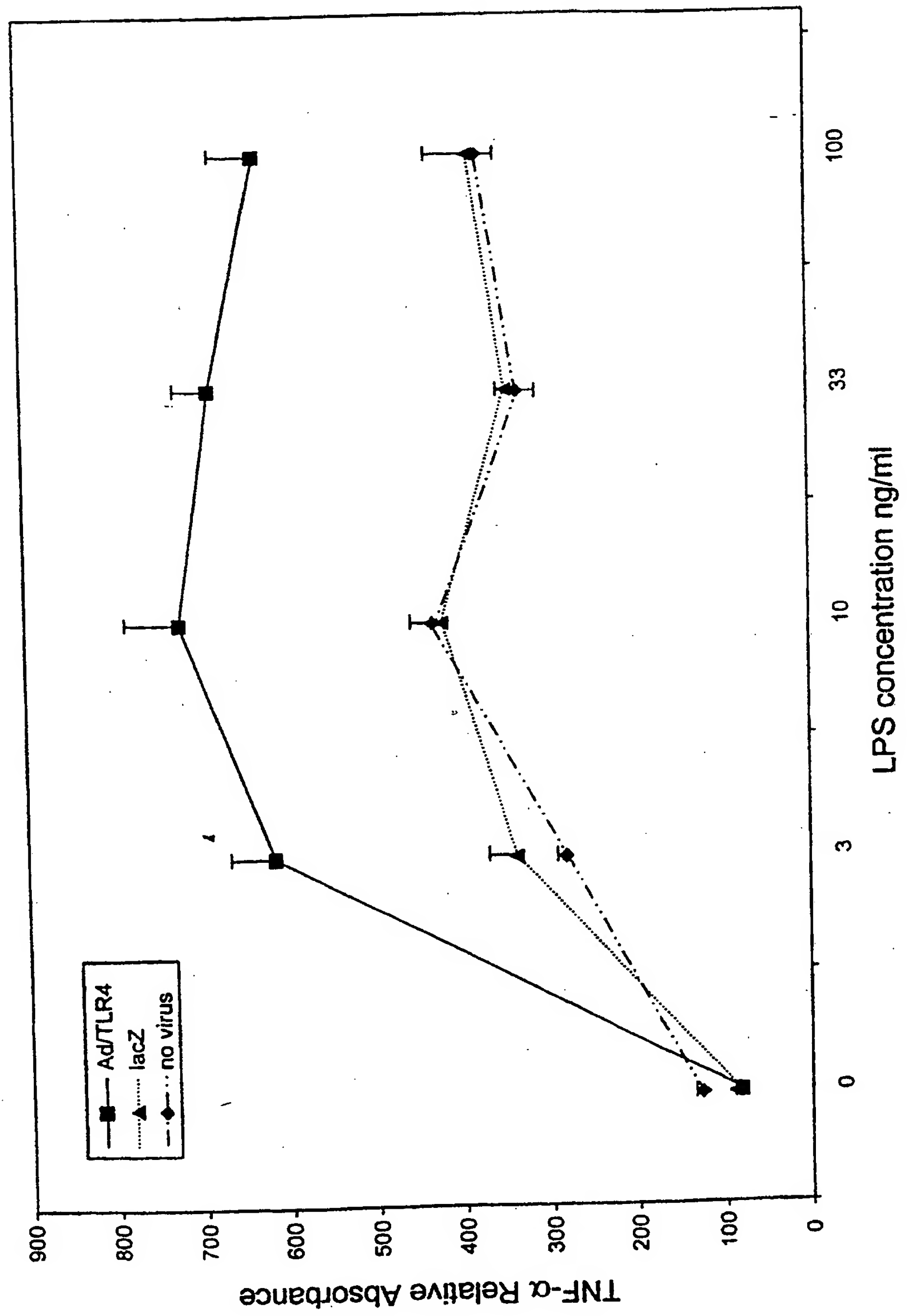


FIG. 6D

<u>Amino Acid</u>	<u>Codon</u>
Phe	UUU, UUC
Ser	UCU, UCC, UCA, UCG, AGU, AGC
Tyr	UAU, UAC
Cys	UGU, UGC
Leu	UUA, UUG, CUU, CUC, CUA, CUG
Trp	UGG
Pro	CCU, CCC, CCA, CCG
His	CAU, CAC
Arg	CGU, CGC, CGA, CGG, AGA, AGG
Gln	CAA, CAG
Ile	AUU, AUC, AUA
Thr	ACU, ACC, ACA, ACG
Asn	AAU, AAC
Lys	AAA, AAG
Met	AUG
Val	GUU, GUC, GUA, GUG
Ala	GCU, GCC, GCA, GCG
Asp	GAU, GAC
Gly	GGU, GGC, GGA, GGG
Glu	GAA, GAG

FIG. 7

Original Residue	Exemplary Substitutions	Preferred Substitutions
Ala (A)	val; leu; ile	val
Arg (R)	lys; gln; asn	lys
Asn (N)	gln; his; lys; arg	gln
Asp (D)	glu	glu
Cys (C)	ser	ser
Gln (Q)	asn	asn
Glu (E)	asp	asp
Gly (G)	pro	pro
His (H)	asn; gln; lys; arg	arg
Ile (I)	leu; val; met; ala; phe norleucine	leu
Leu (L)	norleucine; ile; val; met; ala; phe	ile
Lys (K)	arg; gln; asn	arg
Met (M)	leu; phe; ile	leu
Phe (F)	leu; val; ile; ala	leu
Pro (P)	gly	gly
Ser (S)	thr	thr
Thr (T)	ser	ser
Trp (W)	tyr	tyr
Tyr (Y)	trp; phe; thr; ser	phe
Val (V)	ile; leu; met; phe; ala; norleucine	leu

FIG. 8

HUMAN TLR4 GENOMIC SEQUENCE

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AAAATACTCC CTTGCCTCAA AAAC TGCTCG GTCAAACGGT
GATAGCAAAC CACGCATTCA CAGGGCCACT GCTGCTCACA
AAACCAGTGA GGATGATGCC AGGATGATGT CTGCCTCGCG
CCTGGCTGGG ACTCTGATCC CAGCCATGGC CTTCTCTCC
TGCGTGAGAC CAGAAAGCTG GGAGCCCTGC GTGGAGGTAT
GTGGCTGGAG TCAGCTCCTC TGAAC TTTCC CTCACTTCTG
CCCAGAACTT CTCACTGTGT GCCCTGGTTT GTTTATTTTT
GCAAAAAAAA AAAGAGTTAA ATTACCTTAA AGACTCAAGA
AGCCACAGAG ATCAAATAAT TCATTGTTAC AGGGCACTAG
AGGCAGCCAT TGGGGGTTTG TTCCATTTGG AAATTTTGAG
TGCTAACAGG GGCATGAGAT AACATAGATC TGCTTAAGGT
CCCTGCTCTG CTACCTTGTG GCTCTGTGAA GAAATTATCA
AACCTGTCTG AGACTAGTTT TCGCATCTGT AAGAGAATTA
TAATACCTTC TTCACTAGAG AGTAAGCAGA CTGCTTCAGT
GTCATTTCTT CCCACTGGTG GTCTTTACAC TCAGCTTCAA
GCAGTCACCC TGCTCCTTTC AATCTCAGGA AAAAGATGGC
TTTGTGTGTG TGTCTCT:A: G:AGAAAGAA CTTTCTAAGT
TGGTGCAGA CTTCTGTATG CAGTAATATA GTTTAGTCCA
GAGGATGAAA AAAATAAGAG A:ATGAAAAA GGAAAAGAGA
GAGAGAGA:G AAGAAAAAAG CAAGAGGGAA AT:ATGTATA
ATGTCAGCTA ATGCAAC:AG TTTCTTTCTT AGTGAAATAC
CAATCAGCTG :GTTG:GTAA TCTT:ATTCA TGATGGATCT
CTTTTGTTTT TCCCCTGCGC AGACTTC:AC AGTTGCTTTA
GAAACCCATA GTAGAGCCGA A:CAGCTAAG AAAATGATTT
ACAGTGAGGC AGGGTCAGAA ACTCAAGAGA GAAAAAGCCA
GCTGCAGTC: CTGAAGT:TG AGGATATAGG :AGAAAATCA
AGTAATATTT AGCAAAGACT AATTCATTAT CTTGAAGCCA
TCCCTTCCCT CAATTCCCTG CCCATAGTCC TCCTCCTTGT
CCTCTTCTCT GNA:TCCCTC TGCTGTTAGG TTA:ATGG:A
GATAGATTTT CTAATTANGC TCACTGCGAG ATAAAACCCA
GCCCATGTTT CTATTAGNCA ATATTGTCTT TGAGGCTCCA
TGGCTTGCAN CATTTAAGCA GACATACGAA TGAAGATCTG
CATGTTTGAA CTCTGACTTT GCGCATATTA CTTCATTTCT
TTGAATTTCC ATTTTCCTCA TCTTTAAATG CTTATTTGAA
GATTAAGTGA AAGTATATAA CAAACAAGAA CTATGCAGGC
GTATGGTAAG GGATTAATGA TAGATGATAA TAATTAATGT
TGACATCTAT TGATCACTTA TACTGTAGCG GGCTTTTAAA
TAAACTCTTT AAACACCTTA TCTCATTTAA TCCTTCAAAC
ATTCTATTGG TTTCAAACAA CAGAAACTA CAATTAGCTG
GCTTCTGCAA GGAATTTTGT TGGAGGAAAT GAGAGCATTC
AGAAATTAGA TGGGAGCGTT AGAGAATTAG GCTTACAAAG
AATGTGGGAA AGTAGGCTAG AAAGCAGTGT AAAAACAAAG
ACAGCATAAA GCACTTGACC TTATTTACTA GGTTCACCA
TGGGAATCCA TGCACCTCTAA AGATTTCCCC CTATTTCTAC
ATCACTTTGC TCAAGGGTCA ATGAGCCAAG GAAAAGAATG

```

FIG. 9A

CAGTTGTCAA AATCTGGGCC ATGACTAAGG AAGGTCTGGA
 CATCTTGACT GCCAGACAGT CTCCCCAATG ATATGGAGTA
 TTTAGAATGA TACTGGATAT TTTATTTATT TTTTGTATTT
 TCAACTTTTA AGTTCAGAGG CACATGTGCA GAGCATGCAG
 GTTTATTACA TAAGTAAATG TGTGCCATGG TGATTTGCTG
 CATAGATCAT GAAAATATGG AACGCATCAT GGATTTGTGT
 GTCATCCTTG TGCAGGGGCC ATGCTCATCT TCTCTGTATC
 CTTCCAATTT TAGTATATGT GCTACTGCAG CAAGCACGAT
 ATTGGATATT TTATTACCTA CATTTTACAT ATGATAAAAT
 GAGGCTCACT GAGGTTTTTC TTTTGTTTCG TTTATTTTGT
 TTTGTTTTTA AAGACTTGGC CCTAAACCAC ACAGAAGAGC
 TGGCATGAAA CCCAGAGCTT TCAGACTCCG GAGCCTCAGC
 CCTTCACCCC GATTCCATTG CTTCTTGCTA AATGCTGCCG
 TTTTATCNCG GAGGTTAGAA TGCTGAGCAC GTAGTAGGTG
 CTCTTTACTT TCTAATCTAG AGTAAGACAA TTTATAAGCA
 TGAATTGAGT GAATGGATGG ATGGATATAT GGATGGAAGG
 ATGGACAGAT GGATGAAAGG TTGACTGAAT TTTGTGCTTG
 CACAAAAGA GGCCCTCTC CACCATCTCT GGTCTAGGAG
 AGGGGAGTTG GGAGACCATG CAGTAAAGAT ACTTCATGTC
 ATGTGTAATC ATTGCAGGTG GTTCCTAATA TTAATTATCA
 ATGCATGGAG CTGAATTTCT ACAAATCCC CGACAACCTC
 CCCTTCTCAA CCAAGAACCT GGACCTGAGC TTTAATCCCC
 TGAGGCATTT AGGCAGCTAT AGCTTCTTCA GTTTCCCAGA
 ACTGCAGGTG CTGGATTTAT CCAGGTAATG AATCCACTTT
 TACATACTGC ACAAGGTGAG GTGTTTATTG TCCTATCATT
 TCATTATTGG ACTGGAAAGC TTGGTTTGTG GAGTCTCATC
 TTCATTCACT TATTCATTCA TACAACAGAT GTCTTATTAA
 CTATATAACC TTGAGCAAGC TACCTCTATT CTCCAGGTCT
 CAGTTTTCTA ATCTGTGAAG TAGGCAGTTG GCTGAGACAG
 CTTCTAAGGG CAATTCTAAT TTTAGGTTTT CTTTTAAGAC
 AGGAGAGAAA ATTAGCTTAA ATTCTTTCAT AAGCAGCTAT
 TTATTGACTA CTTGCTATAT GTTGTACACT CTGCAAGAAG
 ACAGGCATAT ATTGATATAT AACACACAGC CCCTGTTGTT
 AAGGAGGCAT ATCTTCTTGA AAGAGTTAAT ACCTTAAAGT
 CCTGGGTATG GTCCTGGGTA CATAGTATAT AGTCAACACA
 TTTTAATTAT GATTTTTTGG ATCTGGAAAC TGATATAAAG
 ATAGCGACAT ATAACAGTAG GTGATAAATT ATGTTTAAAC
 TAAAGGTAAC TAATTGTATT TTTCAGAAGA GGGGCCTTCT
 CTGTGGTGGG TAGTCAAGAA AGATTCATGA ACTGCATAAG
 ATTCAAACAA TGTCTAGAAT ATTAAACTA GTGGTGGCAG
 GTGAAATGTC ATCTTGATAT TTTAGGGGAA CCAAATTCTA
 AAAGGGTTTT CATCATCGGG GCCTTATTTG CAAATCGAAC
 TAGATAATGG ATCATGTTCT CTGCAATGGT TTGTAAAACA
 TTTCAAACA TTTTACATAT TTTTATTAT AGAAATTATT
 GATAAAGACT AAGGTCACAG TATAAAAATC CTTTTTAGAG
 CAGACATTTT TGTAGAAGAG TGAACATATG ACCTATTATA
 CTCTAATTTG GATATAGATA GGATGTAACA AAGGAGTAAT

FIG. 9A (Continued)

GGAACAATT CAAAGGCAGT GGTATAGTGC ATANAGTCCT
 GTTGGGGTCA GAAGACCTGA GCCCAAGTTT ACCCCCAACA
 TTTATAACCC ATGTAACCTT AGCATATTAC TTCATCTCCC
 TTAATCCTTA GTTTCATATC TGATCAATGG AAATGATGAA
 ACTTATTCTG CTGGATTAAA TGTGATAATA AATATTAATA
 TGCTGTATAT ATTTAAATTT TTATAAAATA TATTTTATAA
 GCATAAAGTA TTCTTACAGA ATTTCATTAG GTTTTTAAAA
 TAATTTCAAC TTTTATTTTT GATTCAGGGA TTTACATGGT
 TATATTGCGT AATGCTGAGG TGAGGGGTAC AATCGATACC
 ATCACTCAGG TAGTGAGCAT AGTACCCAAT AGTTAGTTTT
 TCAACCCTTG CTGCTTTCTC TCTATCCCCT CTCTAGTAAT
 CCCCAGGGTC TATTTTTGTC ATCTTTATGT CCATGTGTAC
 TCCATGTTTG GATCCTACTT ATAAAGTGAG AACTCATGGT
 ATTTGGCTTT CTGTNCCTTT GTTNGCTAAT TTGCTTAGGA
 TAATGGCTAC TAGCTGCATC TATGCCATTA TGTCTAAAT
 TTCANTTNCC TGCATGAAAA TTTTGTCAAG TACTCTATTA
 AGGTAGACCA CCTCTCCCTT TTTTTTTCAA ACAAGAAGTA
 GNTTTTCCCA AACAATGCCC TTATGGAATT NATCTTCAAT
 CCNNGGATAC CCAATAACTT GCCCCAAANC CTTAATCTGN
 CTTACAGAGA GGCCACCTTC CTTCTGTAAC CCATAGGAGA
 TTTGGATTGG TAAGAATGCT TTGTGATAGC CCAGCAGCCT
 TCTTTCCCCT ATAGAAATAT ATATATANTC TTTTATAGG
 TGAGGAACTG AAGCTTGAAT AATTAAATG ACTTATATAC
 ATNATCATTG CTTGTTAGCC ACAGACCAGA GATTTAAGTT
 CNCATCTCCA GAATCCAACT TAAATGTTTT CTTTGTCTTA
 ATACTCTACT TCTCTAAAGT GATTATCACC AATGTAATGA
 TATAGAGNCA CAGCAAGACC CTTTCCTTCT CACCTAATGT
 ATAGAGCAAT GCAGAGATAG AATGATGGGC TATAACAATC
 ATATAATTGA AAGAAAGAAC TTCAAAAATA ATCAAGTTCA
 GCTGTTTGAT TTATAAATGT GATAACTAAA ACCTAGAGAG
 GAAAAGAGGT ACTCAAGATC ACACAGTAGG AGAGGACTGC
 AGAAACACCA AACCCAAGCT CTTTTGTCCA CTCTTCCAGC
 GTTCTTTCTA CTATACTGCC TATCCTTTAT CTAGTTACCA
 ATAAATAACA AAAGCTTGGA CCACAATGCT TTTATTGTCT
 AGGAAACTCC TGAAGAAGCT AAATAAAATG GGTGGGGAAT
 ATTGTAAATG TAATTCAGGC TGGATTAAGA AAGAACTTAT
 TTGACATTGT AACTGACAAG CACCTGCAAT GCTGAAAGGA
 ATTTTTCATT GGCNTGCTGT TTGCTGGGCT GCATCAAAGC
 CCTGTCTCTA GGACATGTCT CTGAACATTG TGTGTAGCAT
 GGCTTTCATT TCTTTTAGGA TAAAATTCAA AACCTTTTAT
 CTGGTTGGTA AACCTCTGCC TAATTGGGAA CCTTCTTTCT
 CCACAACCTC ATATTGTACA CTCCAATTTC ATCTCTGTTC
 TCCAACCATG GAAGCTATTT GTCATGATTC CTCCTTGTGT
 CATTTTTTTT CTGTCAACCT TGGGGCTTTT GTGTTTGCTG
 TTCACTTCAC CTCCTTTTAT TGTTAACTTC TACTCATCTT
 TCAATTTTCA ACTTAAGTGT TCTCAGAGAA ACCTACTTTG
 ATTTTCTTGG TCCANAACGG TTCTCTGGAT GTGAACTCTT

FIG. 9A (Continued)

ATAGCACATA	ATTTTCACTT	TTTTCACAA	AACTCGCTCC
TATCACCTGT	TACAAGCATT	TACCTCTGAT	AACAAGAACT
TTCAAATATC	TAGCTGTCAT	GTAAGCACTT	TTCATAAACA
TTAAGAGTAT	CTGTGACACT	TATGTGTAAT	GTTTCGTATC
TCTGAAATTG	ATATTTACCA	GTCATTTATC	TTGGCTACCA
ACTAACAAC	ATCCATATTA	TCTGTACCAA	TCAGATGTAT
AATCACAATT	TTGTGTGACA	GAAAATGGCT	AAACTTGATC
CAAGGCTATT	ACATGCTTT:	ATCAACTGCA	CAATCTTTAT
ATATGTCAAT	TATTGATCTT	TAAGTATTT	CCTTCTTATG
:GATTTTCTC	CTCTGCTTAT	CATGTATGCC	TAACAT:GAC
AAAAAAG:AG	CCTA:TCATT	GCAGCCAGTA	TGATAATACT
CA:GTCTGTG	GGGCTTCTTA	TTTGCTTAT:	TCCATCATCA
TCTGTCCTGC	TTGATGTCTT	TGCCTATGCA	CAATCATATG
:ACCCATCAC	ATCTGTATGA	AGAGC:TGGA	TGACTAGGAT
TAATATTCT:	AT:::TTAG	GTTCTTATT:	CAGCAGAAAT
ATTAGATAA:	TCAATGTCTT	TTTATTCCTG	TAGGTGTGAA
ATCCAGACAA	TTGAAGATGG	GGCATATCAG	AGCCT:AAGC
CACCTCTCTA	CCTTAATATT	GACAGGAAAC	CCCATCCAGA
GTTTAGCCCT	GGGAGCCTTT	TCTGGACTAT	CAAGTTTACA
GAAGCTGGTG	GCTGTGGAGA	CAAATCTAGC	ATCTCTAGAG
AACTTCCCCA	TTGGACATCT	CAAACTTTG	AAAGAACTTA
ATGTGGCTCA	CAATCTTATC	CAATCTTTCA	AATTACCTGA
GTATTTTCT	AATCTGACCA	ATCTAGAGCA	CTTGGACCTT
TCCAGCAACA	AGATTCAAAG	TATTTATTGC	ACAGACTTGC
GGGTTCTACA	TCAAATGCCC	CTACTCAATC	TCTCTTTAGA
CCTGTCCCTG	AACCCTATGA	ACTTTATCCA	ACCAGGTGCA
TTTAAAGAAA	TTAGGCTTCA	TAAGCTGACT	TTAAGAAATA
ATTTTGATAG	TTTAAATGTA	ATGAAAACCTT	GTATTCAAGG
TCTGGCTGGT	TTAGAAGTCC	ATCGTTTGGT	TCTGGGAGAA
TTTAGAAATG	AAGGAAACTT	GGAAAAGTTT	GACAAATCTG
CTCTAGAGGG	CCTGTGCAAT	TTGACCATTG	AAGAATTCCC
GATTAGCATA	CTTAGACTAC	TACCTCGATG	ATATTATTGA
CTTATTTAAT	TGGTTGACAA	ATGGTTCTTC	ATTTTCCCTG
GTGAGTGTGA	CTATTGAAAG	GGTAAAAGAC	TTTTCTTATA
ATTTTCGGATG	GCAACATTTA	GAATTAGTTA	ACTGTAAATT
TGGACAGTTT	CCCACATTGA	AACTCAAATC	TCTCAAAGG
CTTACTTTCA	CTTCCAACAA	AGGTGGGAAT	GCTTTTTTCAG
AAGTTGATCT	ACCAAGCCTT	GAGTTTCTAG	ATCTCAGTAG
AAATGGCTTG	AGTTTCAAAG	GTTGCTGTTT	TCAAAGTGAT
TTTGGGACAA	CCA:GCCT:A	AAGTATTTAG	ATCTGAGCTT
CAATGGTGTT	A:TTACCATG	AGTTCAAAC	TCTTGGGCTT
AGAACAA:ACT	AGAACATCTG	GATTTCCAGC	ATTCCAATTT
GAAACA:AAT	GAGTGAGTTT	TCAGTATTCC	TA:TCACCTCA
GAAA:CCT:C	ATTTACCTTG	ACATTTCTCA	TACTCACACC
AGAGTTGCTT	TCAATGGCAT	CTTCAATGGC	TTGTCCAGTC
TCGAAGTCTT	GAAAATGGCT	GGCAATTCTT	TCCAGGAAAA
CTTCCTTCCA	GATATCTTCA	CAGAGCTGAG	AAACTTGACC

FIG. 9A (Continued)

TTCCTGGACC	TCTCTCAGTG	TCAACTGGAG	CAGTTGTCTC
CAACAGCATT	TAACCTCACTC	TCCAGTCTTC	AGGTACTAAA
TATGAGCCAC	AACAACCTTCT	TTTCATTGGA	TACGTTTCCT
TATAAGTGTC	TGAACTCCCT	CCAGGTTCTT	GATTACAGTC
TCAATCACAT	AATGACTTCC	AAAAAACAGG	AACTACAGCA
TTTTCCAAGT	AGTCTAGCTT	TCTTAAATCT	TACTCAGAAT
GACTTTGCTT	GTACTTGTGA	ACACCAGAGT	TTCCTGCAAT
GGATCAAGGA	CCAGAGGCAG	CTCTTGGTGG	AAGTTGAACG
AATGGAATGT	GCAACACCTT	CAGATAAGCA	GGGCATGCCT
GTGCTGAGTT	TGAATATCAC	CTGTCAGATG	AATAAGACCA
TCATTGGTGT	GTCGGTCCTC	AGTGTGCTTG	TAGTATCTGT
TGTAGCAGTT	CTGGTCTATA	AGTTCTATTT	TCACCTGATG
CTTCTTGCTG	GCTGCATAAA	GTATGGTAGA	GGTGAAAACA
TCTATGATGC	CTTTGTTATC	TACTCAAGCC	AGGATGAGGA
CTGGGTAAGG	AATGAGCTAG	TAAAGAATTT	AGAAGAAGGG
GTGCCTCCAT	TTCAGCTCTG	CCTTCACTAC	AGAGACTTTA
TTCCCGGTGT	GGCCATTGCT	GCCAACATCA	TCCATGAAGG
TTTCCATAAA	AGCCGAAAGG	TGATTGTTGT	GGTGTCCCAG
CACTTCATCC	AGAGCCGCTG	GTGTATCTTT	GAATATGAGA
TTGCTCAGAC	CTGGCAGTTT	CTGAGCAGTC	GTGCTGGTAT
CATCTTCATT	GTCCTGCAGA	AGGTGGAGAA	GACCCTGCTC
AGGCAGCAGG	TGGAGCTGTA	CCGCCTTCTC	AGCAGGAACA
CTTACCTGGA	GTGGGAGGAC	AGTGTCTTGG	GGCGGCACAT
CTTCTGGAGA	CGACTCAGAA	AAGCCCTGCT	GGATGGTAAA
TCATGGAATC	CAGAAGGAAC	AGTGGGTACA	GGATGCAATT
GGCAGGAAGC	AACATCTATC	TGAAGAGGAA	AAATAAAAAC
CTCCTGAGGC	ATTTCTTGCC	CAGCTGGGTC	CAACACTTGT
TCAGTTAATA	AGTATTAAAT	GCTGCCACAT	GTCAGGCCTT
ATGCTAAGGG	TGAGTAATTC	CATGGTGCAC	TAGATATGCA
GGGCTGCTAA	TCTCAAGGAG	CTTCCAGTGC	AGAGGGAATA
AATGCTAGAC	TAAAATACAG	AGTCTTCCAG	GTGGGCATTT
CAACCAACTC	AGTCAAGGAA	CCCATGACAA	AGAAAGTCAT
TTCAACTCTT	ACCTCATCAA	GTTGAATAAA	GACAGAGAAA
ACAGAAAGAG	ACATTGTTCT	TTTCTTGAGT	CTTTTGAATG
GAAATTGTAT	TATGTTATAG	CCATCATAAA	ACCATTTTGG
TAGTTTTGAC	TGAACTGGGT	GTTCACTTTT	TCCTTTTTGA
TTGAATACAA	TTTAAATTCT	ACTTGATGAC	TGCAGTCGTC
AAGGGGCTCC	TGATGCAAGA	TGCCCCTTCC	ATTTTAAGTC
TGTCTCCTTA	CAGAGGTAA	AGTCTAGTGG	CTAATTCCTA
AGGAAACCTG	ATTAACACAT	GCTCACAACC	ATCCTGGTCA
TTCTCGAGCA	TGTTCTATTT	TTTAACTAAT	CACCCCTGAT
ATATTTTTAT	TTTTATATAT	CCAGTTTTCA	TTTTTTTACG
TCTTGCCTAT	AAGCTAATAT	CATAAATAAG	GTTGTTTAAAG
ACGTGCTTCA	AATATCCATA	TTAACCACTA	TTTTTCAAGG
AAGTATGGAA	AAGTACACTC	TGTCACTTTG	TCACTCGATG
TCATTCCAAA	GTTATTGCCT	ACTAAGTAAT	GACTGTCATG
AAAGCAGCAT	TGAAATAATT	TGTTTAAAGG	GGGCACTCTT

FIG. 9A (Continued)

TTAAACGGGA	AGAAAATTTC	CGCTTCCTGG	TCTTATCATG
GACAATTTGG	GCTATAGGCA	TGAAGGAAGT	GGGATTACCT
CAGGAAGTCA	CCTTTTCTTG	ATTCCAGAAA	CATATGGGCT
GATAAACCCG	GGGTGACCTC	ATGAAATGAG	TTGCAGCAGA
TGTTTATTTT	TTTCAGAACA	AGTGATGTTT	GATGGACCTA
TGAATCTATT	TAGGGAGACA	CAGATGGCTG	GGATCCCTCC
CCTGTACCCT	TCTCACTGCC	AGGAGAACTA	CGTGTGAAGG
TATTCAAGGC	AGGGAGTATA	CATTGCTGTT	TCCTGTTGGG
CAATGCTCCT	TGACCACATT	TTGGGAAGAG	TGGATGTTAT
CATTGAGAAA	ACAATGTGTC	TGGAATTAAT	GGGGTTCTTA
TAAAGAAGGT	TCCCAGAAAA	GAATGTTTAT	TCCAGCTTCT
TCAGGAAACA	GGAACATTCA	AGGAAAAGGA	CAATCAGGAT
GTCATCAGGG	AAATGAAAAT	AAAAACCACA	ATGAGATATC
ACCTTATACC	AGGTAGATGG	CTACTATAAA	AAAATGAAGT
GTCATCAAGG	ATATAGAGAA	ATTGGAACCC	TTCTTCACTG
CTGGAGGGAA	TGGAAAATGG	TGTAGCCGTT	ATGAAAAACA
GTACGGAGGT	TTCTCAAAAA	TTAAAAATAG	AACTGCTATA
TGATCCAGCA	ATCTCACTTC	TGTATATATA	CCCAAAATAA
TTGAAATCAG	AATTTCAAGA	AAATATTTAC	ACTCCCATGT
TCATTGTGGC	ACTCTTCACA	ATCACTGTTT	CCAAAGTTAT
GGAAACAACC	CAAATTTCCA	TTGGAAAATA	AATGGACAAA
GGAAATGTGC	ATATAACGTA	CAATGGGGAT	ATTATTCAGC
CTAAAAAAG	GGGGGATCCT	GTTATTTATG	ACAACATGAA
TAAACCCGGA	GGCCATTATG	CTATGTAAAA	TGAGCAAGTA
ACAGAAAGAC	AAATACTGCC	TGATTTCATT	TATATGAGGT
TCTAAAATAG	TCAAACATCAT	AGAAGCAGAG	AATAGAACAG
TGGTTCCTAG	GGAAAAGGAG	GAAGGGAGAA	ATGAGGAAAT
AGGGAGTTGT	CTAATTGGTA	TAAAATTATA	GTATGCAAGA
TGAATTAGCT	CTAAAGATCA	GCTGTATAGC	AGAGTTCGTA
TAATGAACAA	TACTGTATTA	TGCACTTAAC	ATTTTGTTAA
GAGGGTACCT	CTCATGTTAA	GTGTTCTTAC	CATATACATA
TACACAAGGA	AGCTTTTGGA	GGTGATGGAT	ATATTTATTA
CCTTGATTGT	GGTGATGGTT	TGACAGGTAT	GTGACTATGT
CTAAACTCAT	CAAATTGTAT	ACATTAAATA	TATGCAGTTT
TATAATATCA	AAAAAAAAAA	AAAAAAAAAA	

FIG. 9A (Continued)

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1   TTCCAATTCT AAGAGCTGCC TAGAGTAGTC AAGATTATAG AGACAAAAGT
51  AGTGCATAGA TTCAAGGGCC TAGGGAAAGG GGAAATGGGG AGTTATTTAT
101 TAATGAATAG TGGTGATGAT TGTACAAAAA TATGAACATA ATTAATGCCA
151 CTAAATTGTN CACATACAAA TGGTCAAGAT AATAAATTTT ATGTTATGTC
201 ATGTTATGTT ATGTGATTTT ACCATAATAC AGAAAATGAA AAAAGAAAAG
251 AAAGAAAGTA AAGCTTAGCG GTTTNCATGA CTTGNCCAAT GCCTCAAAGC
301 CATGAGTCGA CCCAGCTGAG ATCTGANCTT CAGTATATTC CATTCTGAAA
351 TCCCAGACTT TTCCCAATCT TCTTGTACTT TTCAAACGTG GTTTCAGTTG
401 AGGTTTATTT TCAGTTTGTG ATGTGAGTTT CTTCGCAAGA AGGGCGGGCC
451 AAATTGTGTC CTGCAAAAAC CTACATATCG AAGTCCTAAC CCCTCTACCT
501 CAGACTATGA CTGTATATGG AGAGAGAGCC TTGAAAGAGG TATGTAAGGT
551 AGAATGAGGT CATTATGGTG GGCCCTAATC CAACATAACT GGTGTCCTTA
601 TAAGAAGGGG AGATTAGAAT TCAGACACAC TTGCTGACAC CTTGAGTTCA
651 GACTGGAAGC CTCTAGAATT GTGAGAAAT GAATGTCTGT TGTTTAAGCC
701 ACCCAGTCTG TGGTATTTCC TTATGGCAGC CCCAGCAAAC TAATACAAAT
751 AGTGTTTCCA CAGCTGAAAC AAAATTGGAA AATCACCGTC ATCCTAGAGA
801 GTTACAAGGG CTATTTTAAT AGAACCTGAT TGTTTTCTTA AATTCACCAA
851 GCCCAGGCAG AGGTCAGATG ACTAATTGGG ATAAAAGCCA ACTAGCTTCC
901 TCTTGCTGTT TCTTTAGCCA CTGGTCTGCA GCGTTTTCT TCTTCTAACT
951 TCCTCTCCTG TGACAAAAGA GATAACTATT AGAGAAACAA AAGTCCAGAA
1001 TGCTAAGGTT GCCGCTTTCA CTCCTCTCA CCCTTTAGCC CAGAACTGCT
1051 TTGAATACAC CAATTGCTGT GGGGCGGCTC GAGGAAGAGA AGACACCAGT
1101 GCCTCAGAAA CTGCTCGGTC AGACGGTGAT AGCGAGCCAC GCATTCACAG
1151 GGCCACTGCT GCTCACAGAA GCAGTGAGGA TGATGCCAGG ATGATGTCTG
1201 CCTCGCGCCT GGCTGGGACT CTGATCCCAG CCATGGCCTT CCTCTCCTGC
1251 GTGAGACCAG AAAGCTGGGA GCCCTGCGTG GAGGTATGTG GCTGGAGTCA
1301 GCTCCTCTGA ACTTTCCCTC ACTTCTGCCC AGAACTTCTC ACTGTGTGCC
1351 CTGGTTTGTT

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FIG. 9B

1	CGCATCATGG	ATTTGTGTGT	CATCCTTG TG	CAGGGGCCAT	GCTCATCTTC
51	TCTGTATCCT	TCCAATTTTA	GTATATGTGC	TACTGCAGCA	AGCACGATAT
101	TGGATATTTT	ATTACCTACA	TTTTACATAT	GATAAAATGA	GGCTCACTGA
151	GGTTTTTCTT	TTGTTTCGTT	TATTTTGTTT	TGTTTTTAAA	GACTTGGCCC
201	TAAACCACAC	AGAAGAGCTG	GCATGAAACC	CAGAGCTTTC	AGACTCCGGA
251	GCCTCAGCCC	TTCACCCCGA	TTCCATTGCT	TCTTGCTAAA	TGCTGCCGTT
301	TTATCACGGA	GGTTAGAATG	CTGAGCACGT	AGTAGGTGCT	CTTTACTTTC
351	TAATCTAGAG	TAAGACAATT	TATAAGCATG	AATTGAGTGA	ATGGATGGAT
401	GGATATATGG	ATGGAAGGAT	GGACAGATGG	ATGAAAGGTT	GACTGAATTT
451	TGTGCTTGCA	CAAAAAGAGG	CCCCTCTCCA	CCATCTCTGG	TCTAGGAGAG
501	GGGAGTTGGG	AGACCATGCA	GTAAAGATAC	TTCATGTCAT	GTGTAATCAT
551	TGCAGGTGGT	TCCTAATATT	ACTTATCAAT	GCATGGAGCT	GAATTTCTAC
601	AAAATCCCCG	ACAACCTCCC	CTTCTCAACC	AAGAACCTGG	ACCTGAGCTT
651	TAATCCCCTG	AGGCATTTAG	GCAGCTATAG	CTTCTTCAGT	TTCCCAGAAC
701	TGCAGGTGCT	GGATTTATCC	AGGTAATGAA	TCCACTTTTA	CATACTGCAC
751	AAGGTGAGGT	GTTCATTGTC	CTATCATTTT	ATTATTGGAC	TGGAAAGCTT
801	GGTTTGTGGA	GTCTCATCTT	CATTCACTTA	TTCATTTCATA	CAACAGATGT
851	CTTATTA ACT	ATATAACCTT	GAGCAAGCTA	CCTCTATTCT	CCAGGTCTCA
901	GTTTTCTAAT	CTGTGAAGTA	GGCAGTTGGC	TGAGACAGCT	TCTAAGGGCA
951	ATTCTAATTT	TAGGTTTTTCT	TTTAAGACAG	GAGAGAAAAT	TAGCTTAAAT
1001	TCTTTCATAA	GCAGCTATTT	ATTGACTACT	TGCTATATGT	TGTACACTCT
1051	GCAAGAAGAC	AGGCATATAT	TGATATATAA	CACACAGCCC	CTGTTGTTAA
1101	GGAGGCATAT	CTTCTTGAAA	GAGTTAATAC	CTTAAAGTCC	TGGGTATGGT
1151	CCTGGGTACA	TAGTATATAG	TCAACACATT	TTAATTATGA	TTTTTTGGAT
1201	CTGGAAACTG	ATATAAAGAT	AGCGACATAT	AACAGTAGGT	GATAAATTAT
1251	GTTTAAACTA	AAGGTAACTA	ATTGTATTTT	TCAGAAGAGG	GGCCTTCTCT
1301	GTGGTGGGTA	GTCAAGAAAG	ATTCATGAAC	TGC	

FIG. 9C

1	GGTAAGAATG	CTTTGTGATA	GCCCAGCAGC	CTTCTTTCCC	CTATAGAAAT
51	ATATATATAN	TCTTTTTTATA	GGTGAGGAAC	TGAAGCTTGA	ATAATTTAAA
101	TGACTTATAT	ACATNATCAT	TGCTTGTTAG	CCACAGACCA	GAGATTTAAG
151	TTCNCATCTC	CAGAATCCAA	CTTAAATGTT	TTCTTTGTCT	TAATACTCTA
201	CTTCTCTAAA	GTGATTATCA	CCAATGTAAT	GATATAGAGN	CACAGCAAGA
251	CCCTTTCCTT	CTCACCTAAT	GTATAGAGCA	ATGCAGAGAT	AGAATGATGG
301	GCTATAACAA	TCATATAATT	GAAAGAAAGA	ACTTCAAAAA	TAATCAAGTT
351	CAGCTGTTTG	ATTTATAAAT	GTGATAACTA	AAACCTAGAG	AGGAAAAGAG
401	GTACTIONA	TCACACAGTA	GGAGAGGACT	GCAGAAACAC	CAAACCCAAG
451	CTCTTTTGTC	CACTCTTCCA	GCGTTCTTTC	TACTATACTG	CCTATCCTTT
501	ATCTAGTTAC	CAATAAATAA	CAAAAGCTTG	GACCACAATG	CTTTTATTGT
551	CTAGGAAACT	CCTGAAGAAG	CTAAATAAAA	TGGGTGGGGA	ATATTGTAAA
601	TGTAATTCAG	GCTGGATTAA	GAAAGAACTT	ATTTGACATT	GTAACCTGACA
651	AGCACCTGCA	ATGCTGAAAG	GAATTTTTCA	TTGGCNTGCT	GTTTGCTGGG
701	CTGCATCAAA	GCCCTGTCTC	TAGGACATGT	CTCTGAACAT	TGTGTGTAGC
751	ATGGCTTTCA	TTTCTTTTAG	GATAAAATTC	AAAACCCTTT	ATCTGGTTGG
801	TAAACCTCTG	CCTAATTGGG	AACCTTCTTT	CTCCACAAC	CCATATTGTA
851	CACTCCAATT	TCATCTCTGT	TCTCCAACCA	TGGAAGCTAT	TTGTCATGAT
901	TCCTCCTTGT	GTCATTTTTT	TTCTGTCAAC	CTTGGGGCTT	TTGTGTTTGC
951	TGTTCACTTC	ACCTCCTTTT	ATTGTAACT	TCTACTCATC	TTTCAATTTT
1001	CAACTTAAGT	GTTCTCAGAG	AAACCTACTT	TGATTTTCTT	GGTCCANAAC
1051	GGTTCCTCTG	ATGTGAACTC	TTATAGCACA	TAATTTTCAC	TTTTTTCCAC
1101	AAAACCTCGT	CCTATCACCT	GTTACAAGCA	TTTACCTCTG	ATAACAAGAA
1151	CTTTCAAATA	TCTAGCTGTC	ATGTAAGCAC	TTTTCATAAA	CATTAAGAGT
1201	ATCTGTGACA	CTTATGTGTA	ATGTTTCGTA	TCTCTGAAAT	TGATATTTAC
1251	CAGTCATTTA	TCTTGGCTAC	CAACTAACAA	CTATCCATAT	TATCTGTACC
1301	AATCAGATGT	ATAATCACAA	TTTTGTGTGA	CAGAAAATGG	CTAAACTTGA
1351	TCCAAGGCTA	TTACATGCTT	TATCAACTGC	ACAATCTTTA	TATATGTCAA
1401	TTATTGATCT	TTANCTGATT	TCCTTCTTAT	GGATTTTCTC	CTCTGCTTAT
1451	CATGTATGCC	TAACATGACA	AAAAAGAGCC	TATCATTGCA	GCCAGTATGA
1501	TAATACTCAG	TCTGTGGGGC	TTCTTATTTG	CTTATTCCAT	CATCATCTGT
1551	CCTGCTTGAT	GTCTTTGCCT	ATGCACAATC	ATATGACCCA	TCACATCTGT
1601	ATGAAGAGCT	GGATGACTAG	GATTAATATT	CTATTTTAGG	TTCTTATTCA
1651	GCAGAAATAT	TAGATAATCA	ATGTCTTTTT	ATTCCTGTAG	GTGTGAAATC
1701	CAGACAATTG	AAGATGGGGC	ATATCAGAGC	CTAAGCCACC	TCTCTACCTT
1751	AATATTGACA	GGAAACCCCA	TCCAGAGTTT	AGCCCTGGGA	GCCTTTTCTG
1801	GACTATCAAG	TTTACAGAAG	CTGGTGGCTG	TGGAGACAAA	TCTAGCATCT
1851	CTAGAGAACT	TCCCCATTGG	ACATCTCAAA	ACTTTGAAAG	AACTTAATGT
1901	GGCTCACAAT	CTTATCCAAT	CTTTCAAATT	ACCTGAGTAT	TTTTCTAATC
1951	TGACCAATCT	AGAGCACTTG	GACCTTTCCA	GCAACAAGAT	TCAAAGTATT
2001	TATTGCACAG	ACTTGCGGGT	TCTACATCAA	ATGCCCCTAC	TCAATCTCTC
2051	TTTAGACCTG	TCCCTGAACC	CTATGAACTT	TATCCAACCA	GGTGCATTTA
2101	AAGAAATTAG	GCTTCATAAG	CTGACTTTAA	GAAATAATTT	TGATAGTTTA
2151	AATGTAATGA	AAACTTGTAT	TCAAGGTCTG	GCTGGTTTAG	AAGTCCATCG
2201	TTTGGTTCTG	GGAGAATTTA	GAAATGAAGG	AAACTTGGAA	AAGTTTGACA

FIG. 9D


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2251 AATCTGCTCT AGAGGGCCTG TGCAATTGGA CCATTGAAGA ATTCCGATTA
2301 GCATACTTAG ACTACTACCT CGATGATATT ATTGACTTAT TTAATTGTTT
2351 GACAAATGTT TCTTCATTTT CCCTGGTGAG TGTGACTATT GAAAGGGTAA
2401 AAGACTTTTC TTATAATTTT GGATGGCAAC ATTTAGAATT AGTTAACTGT
2451 AAATTTGGAC AGTTTCCCAC ATTGAAACTC AAATCTCTCA AAAGGCTTAC
2501 TTTCACTTCC AACAAAGGTG GGAATGCTTT TTCAGAAGTT GATCTACCAA
2551 GCCTTGAGTT TCTAGATCTC AGTAGAAATG GCTTGAGTTT CAAAGGTTGC
2601 TGTTCCTCAA GTGATTTTGG GACAACCAGC CTAAAGTATT TAGATCTGAG
2651 CTTCAATGGT GTTATTACCA TGAGTTCAAA CTTCTTGGGC TTAGAACAAC
2701 TAGAACATCT GGATTTCCAG CATTCGAATT TGAAACAAAT GAGTGAGTTT
2751 TCAGTATTCC TATCACTCAG AAACCTCATT TACCTTGACA TTTCTCATA
2801 TCACACCAGA GTTGCTTTCA ATGGCATCTT CAATGGCTTG TCCAGTCTCG
2851 AAGTCTTGAA AATGGCTGGC AATTCTTTCC AGGAAAACCT CCTTCCAGAT
2901 ATCTTCACAG AGCTGAGAAA CTTGACCTTC CTGGACCTCT CTCAGTGTCA
2951 ACTGGAGCAG TTGTCTCCAA CAGCATTTAA CTCACTCTCC AGTCTTCAGG
3001 TACTAAATAT GAGCCACAAC AACTTCTTTT CATTGGATAC GTTTCCTTAT
3051 AAGTGTCTGA ACTCCCTCCA GGTCTTGAT TACAGTCTCA ATCACATAAT
3101 GACTTCCAAA AAACAGGAAC TACAGCATTT TCCAAGTAGT CTAGCTTTCT
3151 TAAATCTTAC TCAGAATGAC TTTGCTTGTA CTTGTGAACA CCAGAGTTTC
3201 CTGCAATGGA TCAAGGACCA GAGGCAGCTC TTGGTGGAAG TTGAACGAAT
3251 GGAATGTGCA ACACCTTCAG ATAAGCAGGG CATGCCTGTG CTGAGTTTGA
3301 ATATCACCTG TCAGATGAAT AAGACCATCA TTGGTGTGTC GGTCCTCAGT
3351 GTGCTTGTAG TATCTGTTGT AGCAGTTCTG GTCTATAAGT TCTATTTTCA
3401 CCTGATGCTT CTTGCTGGCT GCATAAAGTA TGGTAGAGGT GAAAACATCT
3451 ATGATGCCTT TGTTATCTAC TCAAGCCAGG ATGAGGACTG GGTAAGGAAT
3501 GAGCTAGTAA AGAATTTAGA AGAAGGGGTG CCTCCATTTC AGCTCTGCCT
3551 TCACTACAGA GACTTTATTC CCGGTGTGGC CATTGCTGCC AACATCATCC
3601 ATGAAGGTTT CCATAAAAGC CGAAAGGTGA TTGTTGTGGT GTCCCAGCAC
3651 TTCATCCAGA GCCGCTGGTG TATCTTTGAA TATGAGATTG CTCAGACCTG
3701 GCAGTTTCTG AGCAGTCGTG CTGGTATCAT CTTCAATTGTC CTGCAGAAGG
3751 TGGAGAAGAC CCTGCTCAGG CAGCAGGTGG AGCTGTACCG CCTTCTCAGC
3801 AGGAACACTT ACCTGGAGTG GGAGGACAGT GTCCTGGGGC GGCACATCTT
3851 CTGGAGACGA CTCAGAAAAG CCCTGCTGGA TGGTAAATCA TGGAATCCAG
3901 AAGGAACAGT GGGTACAGGA TGCAATTGGC AGGAAGCAAC ATCTATCTGA
3951 AGAGGAAAAA TAAAAACCTC CTGAGGCATT TCTTGCCCAG CTGGGTCCAA
4001 CACTTGTTCA GTTAATAAGT ATTAAATGCT GCCACATGTC AGGCCTTATG
4051 CTAAGGGTGA GTAATTCCAT GGTGCACTAG ATATGCAGGG CTGCTAATCT
4101 CAAGGAGCTT CCAGTGCAGA GGAATAAAT GCTAGACTAA AATACAGAGT
4151 CTTCCAGGTG GGCATTTCAA CCAACTCAGT CAAGGAACCC ATGACAAAGA
4201 AAGTCATTTT AACTCTTACC TCATCAAGTT GAATAAAGAC AGAGAAAACA
4251 GAAAGAGACA TTGTTCTTTT CCTGAGTCTT TTGAATGGAA ATTGTATTAT
4301 GTTATAGCCA TCATAAAACC ATTTTGGTAG TTTTGACTGA ACTGGGTGTT
4351 CACTTTTTTC TTTTGTATTG AATACAATTT AAATTCTACT TGATGACTGC
4401 AGTCGTCAAG GGGCTCCTGA TGCAAGATGC CCCTTCCATT TTAAGTCTGT
4451 CTCCTTACAG AGGTAAAGT CTAGTGGCTA ATTCCTAAGG AAACCTGATT
4501 AACACATGCT CACAACCATC CTGGTCATTC TCGAGCATGT TCTATTTTTT
4551 AACTAATCAC CCCTGATATA TTTTATTTT TATATATCCA GTTTTCATTT

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FIG. 9D (Continued)

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4601 TTTTACGTCT TGCCTATAAG CTAATATCAT AAATAAGGTT GTTTAAGACG
4651 TGCTTCAAAT ATCCATATTA ACCACTATTT TTCAAGGAAG TATGGAAAAG
4701 TACTACTCTGT CACTTTGTCA CTCGATGTCA TTCCAAAGTT ATTGCCTACT
4751 AAGTAATGAC TGTCATGAAA GCAGCATTGA AATAATTTGT TTAAAGGGGG
4801 CACTCTTTTA AACGGGAAGA AAATTTCCGC TTCCTGGTCT TATCATGGAC
4851 AATTTGGGCT AGAGGCAGGA AGGAAGTGGG ATGACCTCAG GAGGTCACCT
4901 TTTCTTGATT CCAGAAACAT ATGGGCTGAT AAACCCGGGG TGACCTCATG
4951 AAATGAGTTG CAGCAGAAGT TTATTTTTTT CAGAACAAGT GATGTTTGAT
5001 GGACCTCTGA ATCTCTTTAG GGAGACACAG ATGGCTGGGA TCCCTCCCCT
5051 GTACCCCTTCT CACTGCCAGG AGAACTACGT GTGAAGGTAT TCAAGGCAGG
5101 GAGTATACAT TGCTGTTTCC TGTGCGCAA TGCTCCTTGA CCACATTTTG
5151 GGAAGAGTGG ATGTTATCAT TGAGAAAACA ATGTGTCTGG AATTAATGGG
5201 GTTCTTATAA AGAAGGTTCC CAGAAAAGAA TGTTCATCCA GCCTCCTCAG
5251 AAACAGAACA TTCAAGAAAA GGACAATCAG GATGTCATCA GGGAAATGAA
5301 AATAAAAACC ACAATGAGAT ATCACCTTAT ACCAGGTAGA ATGGCTACTA
5351 TAAAAAATG AAGTGTCATC AAGGATATAG AGAAATTGGA ACCCTTCTTC
5401 ACTGCTGGAG GGAATGGAAA ATGGTGTAGC CGTTATGAAA AACAGTACGG
5451 AGGTTTCTCA AAAATTAATA ATAGAACTGC TATATGATCC AGCAATCTCA
5501 CTTCTGTATA TATACCCAAA ATAATTGAAA TCAGAATTTT AAGAAAATAT
5551 TTACTACTCC ATGTTCAATTG TGGCACTCTT CACAATCACT GTTTCCAAAG
5601 TTATGGAAAC AACCCAAATT TCCATTGAAA AATAAATGGA CAAAGAAAAT
5651 GTGCATATAC GTACAATGGG ATATTATTCA GCCTAAAAAA AGGGGGNATC
5701 CTGTTATTTA TGACAACATG AATAAACCCG GAGCCATTAT GCTATGTAAA
5751 ATGAGCAAGT AACAGAAAGA CAAATACTGC CTGATTTTCAT TTATATGAGG
5801 TTCTAAATA GTCAAACTCA TAGAAGCAGA GAATAGAACA GTGGTTCCTA
5851 GGGAAAAGGA GGAAGGGAGA AATGAGGAAA TAGGGAGTTG TCTAATTGGT
5901 ATAAAATTAT AGTATGCAAG ATGAATTAGC TCTAAAGATC AGCTGTATAG
5951 CAGAGTTCGT ATAATGAACA ATACTGTATT ATGCACTTAA CATTTTGTTA
6001 AGAGGGTACC TCTCATGTTA AGTGTTCCTA CCATATACAT ATACACAAGG
6051 AAGCTTTTGG AGGTGATGGA TATATTTATT ACCTTGATTG TGGTGATGGT
6101 TTGACAGGTA TGTGACTATG TCTAAACTCA TCAAATTGTA TACATTAAAT
6151 ATATGCAGTT TTATAATATC AATTATGTCT GAATGAAGCT ATAAAAAGA
6201 AAAGACAACA AAATTCAGTT GTCAAACTG GAAATATGAC CACAGTCAGA
6251 AGTGTGTTGTT ACTGAGTGTG TCAGAGTGTG TTTGGTTTGA GCAGGTCTAG
6301 GGTGATTGAA CATCCCTGGG TGTGTTTCCA TGTCTCATGT ACTAGTGAAA
6351 GTAGATGTGT GCATTTGTGC ACATATCCCT ATGTATCCCT ATCAGGGCTG
6401 TGTGTATTTG AAAGTGTGTG TGTCCGCATG ATCATATCTG TATAGAAGAG
6451 AGTGTGATTA TATTTCTTGA AGAATACATC CATTTGAAAT GGATGTCTAT
6501 GGCTGTTTGA GATGAGTTCT CTA CTCTTGT GCTTGACAG TAGTCTCCCC
6551 TTATCCCTTA TGCTTGGTGG ATACGTTCTT AGACCCCAAG TGGATCTCTG
6601 AGACCGCAGA TGGTACCAAA CCTCATATAT GCAATATTTT TTCCTATACA
6651 TAAATACCTA AGATAAAGTT CATCTTCTGA ATTAGGCACA GTAAGAGATT
6701 AACAATAACT AACAATAAAA TTGAATAGTT ATAATAATAT ATTGTAATAA
6751 AAGTTATGTG AATGTGATCT CTTTCTTTTC TCTCTC

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FIG. 9D (Continued)